# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

| | | |
|---|---|---|
| | Estimate Cost Rs. | 500000.00 |

**ame of Work: Detailed Estimate for the work of Providing balance works to Existing Samudaya Bhavana at eeranjeneya temple in ward no -04.**

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **A) Civil works** | | | | | | | | |
| | KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-17 | cum | | | | | | | |
| | for toilet | | 2 | 3.55 | 0.75 | 1.00 | 5.33 | | |
| | | | 3 | 1.00 | 0.75 | 1.00 | 2.25 | | |
| | | | 1 | 5.00 | 2.60 | 0.30 | 3.90 | | |
| | | | | | | | **11.48** | **369.82** | **4244.00** |
| | Basic Rate | 283.00 | | | | | | | |
| | Ad-HOC 21% | 59.43 | | | | | | | |
| | **Sub Total** | 342.43 | | | | | | | |
| | Area Weightage 8% | 27.39 | | | | | | | |
| | **Grand Total** | 369.82 | | | | | | | |
| | KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17) | cum | | | | | | | |
| | Basic Rate for loading and unloading | 68.00 | Vide Item No. 1+2 | | | | 11.48 | 105.59 | 1212.00 |
| | Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4 | 12.80 | | | | | | | |
| | | **80.80** | | | | | | | |
| | Basic Rate | 80.80 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amt |
|---|---|---|---|---|---|---|---|---|---|
| | Ad-HOC 21% | 16.97 | | | | | | | |
| | **Sub Total** | 97.77 | | | | | | | |
| | Area Weightage 8% | 7.82 | | | | | | | |
| | **Grand Total** | 105.59 | | | | | | | |
| 3 | KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17 | Cum | | | | | | | |
| | for toilet | | 2 | 3.55 | 0.75 | 0.15 | 0.80 | | |
| | | | 3 | 1.00 | 0.75 | 0.15 | 0.34 | | |
| | | | 1 | 5.00 | 2.60 | 0.15 | 1.95 | | |
| | | | | | | | **3.09** | **6360.20** | **19629.** |
| | Basic Rate | 4867.00 | | | | | | | |
| | Ad-HOC 21% | 1022.07 | | | | | | | |
| | **Sub Total** | 5889.07 | | | | | | | |
| | Area Weightage 8% | 471.13 | | | | | | | |
| | **Grand Total** | 6360.20 | | | | | | | |
| 4 | KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17 | Cum | | | | | | | |
| | | | 2 | 3.40 | 0.60 | 0.80 | 3.26 | | |
| | | | 3 | 1.10 | 0.60 | 0.80 | 1.58 | | |
| | | | | | | | **4.85** | **5471.57** | **26526.** |
| | Basic Rate | 4187.00 | | | | | | | |
| | Ad-HOC 21% | 879.27 | | | | | | | |
| | **Sub Total** | 5066.27 | | | | | | | |
| | Area Weightage 8% | 405.30 | | | | | | | |
| | **Grand Total** | 5471.57 | | | | | | | |

| | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2016-17 | Cum | | | | | | | |
| | | | 2 | 3.25 | 0.45 | 0.40 | 1.17 | | |
| | | | 3 | 1.25 | 0.45 | 0.40 | 0.68 | | |
| | | | | | | | **1.85** | **6540.53** | **12067.00** |
| | Basic Rate | 5005.00 | | | | | | | |
| | Ad-HOC 21% | 1051.05 | | | | | | | |
| | **Sub Total** | 6056.05 | | | | | | | |
| | Area Weightage 8% | 484.48 | | | | | | | |
| | **Grand Total** | 6540.53 | | | | | | | |
| 6 | Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 112/ Item No. 15.1 PWD SR 2016-17 | sqm | | | | | | | |
| | | | 2 | 3.25 | | 0.400 | 2.60 | | |
| | | | 2 | 1.25 | | 0.400 | 1.00 | | |
| | | | | | | | **3.60** | **126.76** | **456.00** |
| | Basic Rate | 97.00 | | | | | | | |
| | Ad-HOC 21% | 20.37 | | | | | | | |
| | **Sub Total** | 117.37 | | | | | | | |
| | Area Weightage 8% | 9.39 | | | | | | | |
| | **Grand Total** | 126.76 | | | | | | | |
| 7 | KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2016-17 | Cum | | | | | | | |
| | | | 2 | 1.50 | 1.20 | 0.40 | 1.44 | | |
| | | | | | | | **1.44** | **165.96** | **239.00** |
| | Basic Rate | 127.00 | | | | | | | |
| | Ad-HOC 21% | 26.67 | | | | | | | |
| | **Sub Total** | 153.67 | | | | | | | |
| | Area Weightage 8% | 12.29 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Grand Total** | 165.96 | | | | | | | |
| 8 | KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed 2008 machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17 | Cum | | | | | | | |
| | for coping | | 2 | 3.25 | 0.45 | 0.15 | 0.44 | | |
| | | | 3 | 1.25 | 0.45 | 0.15 | 0.25 | | |
| | flagging concrete | | 1 | 5.00 | 2.60 | 0.15 | 1.95 | | |
| | lintel | | 2 | 3.00 | 0.20 | 0.20 | 0.24 | | |
| | | | 3 | 1.50 | 0.20 | 0.20 | 0.18 | | |
| | Chajja | | 1 | 3.00 | 0.60 | 0.075 | 0.14 | | |
| | ventilator | | 2 | 0.75 | 0.60 | 0.075 | 0.07 | | |
| | roof | | 1 | 3.00 | 1.90 | 0.150 | 0.86 | | |
| | inside concrete | | 2 | 1.50 | 1.20 | 0.150 | 0.54 | | |
| | | | 2 | 4.20 | 0.60 | 0.150 | 0.76 | | |
| | | | 2 | 1.50 | 0.60 | 0.150 | 0.27 | | |
| | | | | | | | | | |
| | stairecase | | 1 | 4.50 | 1.30 | 0.15 | 0.88 | | |
| | landing | | 1 | 2.50 | 1.50 | 0.15 | 0.56 | | |
| | | | 1 | 4.10 | 1.30 | 0.15 | 0.80 | | |
| | steps (1/2x1.3x0.3x0.15)x28 | | | | | | 1.63 | | |
| | beam | | 2 | 2.50 | 0.30 | 0.600 | 0.90 | | |
| | column raising | | 2 | 0.30 | 0.30 | 4.500 | 0.81 | | |
| | | | | | | | **11.26** | **7855.17** | **88488.** |
| | Basic Rate | 6011.00 | | | | | | | |
| | Ad-HOC 21% | 1262.31 | | | | | | | |
| | **Sub Total** | 7273.31 | | | | | | | |
| | Area Weightage 8% | 581.86 | | | | | | | |
| | **Grand Total** | 7855.17 | | | | | | | |

| | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.37/ PWD SR 2016-17 | sqm | | | | | | | |
| | for toilet chajja | | 1 | 3.00 | | 0.600 | 1.80 | | |
| | ventilator | | 2 | 0.75 | | 0.600 | 0.90 | | |
| | lintel | 2x2 | 4 | 3.00 | | 0.200 | 2.40 | | |
| | | 3x2 | 6 | 1.50 | | 0.200 | 1.80 | | |
| | roof | | 1 | 3.00 | | 1.900 | 5.70 | | |
| | | | | | | | | | |
| | staircase | | 1 | 4.50 | 1.30 | | 5.85 | | |
| | landing | | 1 | 2.50 | 1.50 | | 3.75 | | |
| | | | 1 | 4.10 | 1.30 | | 5.33 | | |
| | sides | | 2 | 4.50 | | 0.200 | 1.80 | | |
| | | | 2 | 4.10 | | 0.200 | 1.64 | | |
| | | | 2 | 2.50 | | 0.200 | 1.00 | | |
| | | | | | | | | | |
| | beam | 2X2 | 4 | 2.50 | | 0.600 | 6.00 | | |
| | | 1X2 | 2 | 2.50 | | 0.300 | 1.50 | | |
| | column raising | 4X2 | 8 | 0.30 | | 4.500 | 10.80 | | |
| | | | | | | | | | |
| | | | | | | | **50.27** | **352.84** | **17737.00** |
| | Basic Rate | 270.00 | | | | | | | |
| | Ad-HOC 21% | 56.70 | | | | | | | |
| | **Sub Total** | 326.70 | | | | | | | |
| | Area Weightage 8% | 26.14 | | | | | | | |
| | **Grand Total** | 352.84 | | | | | | | |
| 0 | KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2016-17 | sqm | | | | | | | |
| 88488.0 | | | 2 | 3.00 | | 3.00 | 18.00 | | |
| | | | 3 | 1.50 | | 3.00 | 13.50 | | |
| | parapet | | 2 | 3.00 | | 0.60 | 3.60 | | |
| | | | 2 | 1.50 | | 0.60 | 1.80 | | |
| | staircase | | 2 | 1.50 | | 0.90 | 2.70 | | |
| | | | 1 | 1.20 | | 0.90 | 1.08 | | |
| | landing | | 1 | 2.50 | | 1.00 | 2.50 | | |
| | | | | | | | **43.18** | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amt |
|---|---|---|---|---|---|---|---|---|---|
| | deduction | | 2 | 0.75 | | 2.10 | 3.15 | | |
| | | | 2 | 0.75 | | 0.60 | 0.90 | | |
| | | | | | | | 4.05 | | |
| | | | | | | | 39.13 | 1224.47 | 47914 |
| | Basic Rate | 937.00 | | | | | | | |
| | Ad-HOC 21% | 196.77 | | | | | | | |
| | **Sub Total** | 1133.77 | | | | | | | |
| | Area Weightage 8% | 90.70 | | | | | | | |
| | **Grand Total** | 1224.47 | | | | | | | |
| 11 | KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17 | **Quintal** | | | | | | | |
| | **110kg/cum** | | 1.100 | 7.68 | | | 8.45 | | |
| | | | | | | | **8.45** | **7324.61** | **61889** |
| | Basic Rate | 5605.00 | | | | | | | |
| | Ad-HOC 21% | 1177.05 | | | | | | | |
| | **Sub Total** | 6782.05 | | | | | | | |
| | Area Weightage 8% | 542.56 | | | | | | | |
| | **Grand Total** | 7324.61 | | | | | | | |
| 12 | KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11/ PWD SR 2016-17 | **sqm** | | | | | | | |
| | inside | | 2 | 1.50 | | 3.00 | 9.00 | | |
| | | | 2 | 1.20 | | 3.00 | 7.20 | | |
| | | | 2 | 1.50 | | 1.20 | 3.60 | | |
| | | 2x2 | 4 | 1.50 | | 1.20 | 7.20 | | |
| | out side | | 2 | 3.00 | | 3.75 | 22.50 | | |
| | | | 2 | 1.90 | | 3.75 | 14.25 | | |
| | chajja | | 2 | 3.00 | | 0.60 | 3.60 | | |
| | | 2x2 | 4 | 1.00 | | 0.60 | 2.40 | | |
| | | | | | | | | | |
| | stairecase | | 1 | 4.50 | 1.30 | | 5.85 | | |

steps

beams

column

deductio

KSRRB
railing o
channel
50 mm
erecting
railing in
medium
(ISMC se
1.2 mete
center to
approved
specificat
specificat
No 186 Ite

| | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | landing | | 2 | 2.50 | 1.50 | | 7.50 | | |
| | | | 1 | 4.10 | 1.30 | | 5.33 | | |
| | sides | | 2 | 4.50 | | 0.200 | 1.80 | | |
| | | | 2 | 4.10 | | 0.200 | 1.64 | | |
| | | | 2 | 2.50 | | 0.200 | 1.00 | | |
| | steps | | 18 | 1.30 | 0.30 | | 7.02 | | |
| | | | 18 | 1.30 | | 0.15 | 3.51 | | |
| | beams | | 2 | 2.50 | 0.30 | | 1.50 | | |
| | | 2x2 | 4 | 2.50 | | 0.60 | 6.00 | | |
| | columns | 2x4 | 8 | 0.30 | | 4.50 | 10.80 | | |
| | | | 2 | 3.00 | | 0.75 | 4.50 | | |
| | | | 2 | 1.50 | | 0.75 | 2.25 | | |
| | | | | | | | **128.45** | | |
| | deduction | | 2 | 0.75 | | 2.10 | 3.15 | | |
| | | | 2 | 0.75 | | 0.60 | 0.90 | | |
| | | | | | | | **4.05** | | |
| | | | | | | | **124.40** | **196.02** | **24385.00** |
| | Basic Rate | 150.00 | | | | | | | |
| | Ad-HOC 21% | 31.50 | | | | | | | |
| | **Sub Total** | 181.50 | | | | | | | |
| | Area Weightage 8% | 14.52 | | | | | | | |
| | **Grand Total** | 196.02 | | | | | | | |
| 3 | KSRRB M800-20: Tubular steel railing of medium weight steel channel (ISMC series) 100 mm x 50 mm :- providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 meter high above ground, 2m center to center, complete as per approved drawings as per specifications, MORTH specifications No. 808, No. Page No 186 Item no 24.24 SR 2016-17 | Mt | | | | | | | |
| | | | | | | | 20.00 | | |
| | | | | | | | **20.00** | 1873.95 | 37479.00 |
| | Basic Rate | 1434.00 | | | | | | | |
| | Ad-HOC 21% | 301.14 | | | | | | | |
| | **Sub Total** | 1735.14 | | | | | | | |
| | Area Weightage 8% | 138.81 | | | | | | | |
| | **Grand Total** | 1873.95 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amt |
|---|---|---|---|---|---|---|---|---|---|
| 14 | KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials. Page No 51 Item no 9.11 SR 2016-17 | Cum | | | | | | | |
| | D | | 4 | 1.10 | 0.10 | 0.10 | 0.044 | | |
| | | | 4 | 2.10 | 0.10 | 0.10 | 0.0840 | | |
| | v | 2x2 | 4 | 1.05 | 0.075 | 0.075 | 0.02 | | |
| | | 2x2 | 4 | 0.60 | 0.075 | 0.075 | 0.01 | | |
| | | | | | | | 0.17 | 134410.91 | 22194 |
| | Basic Rate | 102855.00 | | | | | | | |
| | Ad-HOC 21% | 21599.55 | | | | | | | |
| | **Sub Total** | 124454.55 | | | | | | | |
| | Area Weightage 8% | 9956.36 | | | | | | | |
| | **Grand Total** | 134410.91 | | | | | | | |
| 15 | KSRB 9.7.1: Providing and fixing in position fully panelled Honne wood shutters for doors styles and rails of 30mm. Thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of material 9.34 Page No 51 item no 9.21 SR 2016-17 | Sqm | | | | | | | |
| | | | 2 | 0.75 | | 2.10 | 3.15 | | |
| | | | | | | | **3.15** | 5411.46 | 17046 |
| | Basic Rate | 4141.00 | | | | | | | |
| | Ad-HOC 21% | 869.61 | | | | | | | |
| | **Sub Total** | 5010.61 | | | | | | | |
| | Area Weightage 8% | 400.85 | | | | | | | |
| | **Grand Total** | 5411.46 | | | | | | | |
| 16 | KSRB 9.21.2: Providing and fixing in position half panelled Honne wood shutters for window&ventilatorsstyles and rails of 20mm. Thick with bottom and lock rails 75mm wide top rail and styles 100mm wide as per drawing and panels of 20mm thick including cost of materials labours and complete as per specification Item no 9.65 Page No 56 SR 2016-17 | Sqm | | | | | | | |
| | V | | 2 | 0.75 | | 0.60 | 0.90 | | |
| | | | | | | | 0.90 | 4937.09 | 4443 |
| | Basic Rate | 3778.00 | | | | | | | |
| | Ad-HOC 21% | 793.38 | | | | | | | |

Desc

FIXTURES f
Page No XIV
VENTILATO
395,385,402
Hinges 5" he
bottom lock r
MS Clamps
Brass screws

KSRB 7.9: Pro
Grill work
ventilators
using M.S F
roads, or com
and quare ro
design drawi
steel section
same to requ
cost of red l
materials fixtu
of machinery
specification P
7.9 SR 2016-1

2x0.75x0.6

KSRB15-7
rendering for
ceiling, includ
labour, curin
specifications
2016-17

| | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | **Sub Total** | 4571.38 | | | | | | | |
| | Area Weightage 8% | 365.71 | | | | | | | |
| | **Grand Total** | 4937.09 | | | | | | | |
| | FIXTURES for doors and windows Page No XIV SR 2016-17 | | | | | | | | |
| | VENTILATORS Sl No 395,385,402,386 | | | | | | | | |
| | Hinges 5" heavyduty | Each | 1 | 4 | | | 4 | 37.00 | **148** |
| | bottom lock nail | Each | 2 | 5 | | | 10 | 47.00 | **470** |
| | MS Clamps | Each | 2 | 4 | | | 8 | 38.00 | **304** |
| | Brass screws 25mm | Each | 10 | 5 | | | 50 | 2.00 | **105** |
| | KSRB 7.9: Providing and fixing M.S. Grill work for windows and ventilators weighing 21kg/sqm using M.S Flats or M.S. Square roads, or combination of M.S. flats and quare roads as per approved design drawing including cutting steel sections and welding the same to required pattern with a cost of red lead primer, cost of materials fixtures labour and HOM of machinery complete as per specification Page No 32 Item No 7.9 SR 2016-17 | Kg's | | | | | | | |
| | | | | | | | | | |
| | 2x0.75x0.6=0.9x21kg/sqm = 18.90 | | | | | | 18.90 | | |
| | | | | | | | 18.90 | 101.93 | 1926.48 |
| | Basic Rate | 78.00 | | | | | | | |
| | Ad-HOC 21% | 16.38 | | | | | | | |
| | **Sub Total** | 94.38 | | | | | | | |
| | Area Weightage 8% | 7.55 | | | | | | | |
| | **Grand Total** | 101.93 | | | | | | | |
| 9 | KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P.99/15.33) SR 2016-17 | Sqm | | | | | | | |
| | | Qty Vide internal plastering | | | | | 124.40 | 32.67 | 4064.15 |
| | Basic Rate | 25.00 | | | | | | | |
| | Ad-HOC 21% | 5.25 | | | | | | | |
| | **Sub Total** | 30.25 | | | | | | | |
| | Area Weightage 8% | 2.42 | | | | | | | |
| | **Grand Total** | 32.67 | | | | | | | |
| | | | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Am |
|---|---|---|---|---|---|---|---|---|---|
| 20 | KSRB 8.6-8: Providing and fixing on wall surface 4.0Kg/Sqcm HDPE rain down water pipes 110mm outer dia. Approved makes and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, page No 47 item no 8.19 SR 2016-17 | Rmtr | | | | | | | |
| | | | 4 | 4.00 | | | 16.00 | 742.26 | 1187 |
| | Basic Rate | 568.00 | | | | | | | |
| | Ad-HOC 21% | 119.28 | | | | | | | |
| | **Sub Total** | 687.28 | | | | | | | |
| | Area Weightage 8% | 54.98 | | | | | | | |
| | **Grand Total** | 742.26 | | | | | | | |
| 21 | KSRB 15-14.1: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter Page No 117 item no 15.49 SR 2016-17 | Sqm | | | | | | | |
| | | | plastering item | | | | 124.40 | | |
| | for existing building | | 2 | 12.00 | | 4.00 | 96.00 | | |
| | | | 2 | 7.00 | | 4.00 | 56.00 | | |
| | | | | | | | **276.40** | | |
| | deduction | w | 6 | 1.5 | | 1.2 | 10.80 | | |
| | | d | 1 | 2 | | 2.1 | 4.20 | | |
| | | | 1 | 0.9 | | 2.1 | 1.89 | | |
| | | | | | | | **16.89** | | |
| | | | | | | | **259.51** | 92.78 | 2407 |
| | Basic Rate | 71.00 | | | | | | | |
| | Ad-HOC 21% | 14.91 | | | | | | | |
| | **Sub Total** | 85.91 | | | | | | | |
| | Area Weightage 8% | 6.87 | | | | | | | |
| | **Grand Total** | 92.78 | | | | | | | |
| 22 | KSRB 15-17.1 : Applying priming coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118 Item no 15.55 SR 2016-17 | Sqm | | | | | | | |
| | | 2x2 | 4 | 0.75 | | 2.10 | 6.30 | | |
| | | 2x2 | 4 | 0.75 | | 0.60 | 1.80 | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 8.10 | 43.12 | 349.31 |
| | Basic Rate | 33.00 | | | | | | | |
| | Ad-HOC 21% | 6.93 | | | | | | | |
| | **Sub Total** | 39.93 | | | | | | | |
| | Area Weightage 8% | 3.19 | | | | | | | |
| | **Grand Total** | 43.12 | | | | | | | |
| 3 | KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.119 / Item No. 15.60.1 / PWD SR 2016-17 | Sqm | | | | | | | |
| | | | Vide Item No. 23 | | | | 8.10 | | |
| | for existing building | w | 12 | 1.5 | | 1.2 | 21.60 | | |
| | | d | 2 | 2 | | 2.1 | 8.40 | | |
| | | | 2 | 0.9 | | 2.1 | 3.78 | | |
| | | | | | | | **41.88** | 109.77 | 4597.22 |
| | Basic Rate | 84.00 | | | | | | | |
| | Ad-HOC 21% | 17.64 | | | | | | | |
| | **Sub Total** | 101.64 | | | | | | | |
| | Area Weightage 8% | 8.13 | | | | | | | |
| | **Grand Total** | 109.77 | | | | | | | |
| 4 | KSRB 14.17.1 : Providing skirting dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately)using glazed tiles of approved make and size including cost of materials labour, complete as per specifications. Specification No. KBS 14.16., 14.17 (Page no. 94/ Item No. 14.40 | Sqm | | | | | | | |
| | | 2x2 | 4 | 1.50 | | 2.10 | 12.60 | | |
| | | | 4 | 1.20 | | 2.10 | 10.08 | | |
| | | | 2 | 1.50 | | 1.20 | 3.60 | | |
| | | | | | | | 26.28 | 1025.84 | 26959.02 |
| | Basic Rate | 785.00 | | | | | | | |
| | Ad-HOC 21% | 164.85 | | | | | | | |
| | **Sub Total** | 949.85 | | | | | | | |
| | Area Weightage 8% | 75.99 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amt |
|---|---|---|---|---|---|---|---|---|---|
| | **Grand Total** | 1025.84 | | | | | | | |
| | | | | | | | | **TOTAL A)** | 4608 |
| | **Electrification** | | | | | | | | |
| 1 | pointing wiring using copper with switch: Supplying and wiring adoping loop system in exiting PVC conduit/casing caping using copper PVC insulated multi strand 2 x1.5 sqmm coper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet.II point wiring using class B materials (3/6) a) Short point upto 3 mtrs from tapping point to out let via switch | Each | 1 | | | | 1 | 160.00 | 160 |
| | Medium point above 3Mtrs upto 6Mtrs from taping point to out let via switch | Each | 1 | | | | 1 | 245.00 | 245 |
| | a) Long point above 6Mtrs upto 10 Mtrs from tapping point to out let via switch | Each | 1 | | | | 1 | 345.00 | 345 |
| 2 | Wiring for lightin/power circuit using one of PVC insulted 1100v grade,multistrand copper conductor single core cable in open or consealed system of wiring.II Group B e) 6 sqmm (9/20) | Each | 1 | | | | 1 | 45.00 | 45.0 |
| 3 | Groove Cutting : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary a) 19/20mm dia 2mm thick (2/3) | Per Mtr | 1 | | | | 1 | 43.00 | 43.0 |
| 4 | Supplying and fixing PVC/metal conduit accessories special type Junction Box a) 19/20mm junction box (3/5) | Each | 1 | | | | 1 | 18.00 | 18.0 |
| | DEEP Junction Box a) 18/20 mm deep junction box | Each | 1 | | | | 1 | 29.00 | 29.0 |
| 5 | 32.Supplying and fixing metal fan box with round hook (32/11) | Each | 1 | | | | 1 | 72.00 | 72.0 |

Supplyin wooden made of wood afte necessar complete. (300x228x

Supplying switch/Sco fan regulat socket etc switch plate Meterial (8/

g) 16 Amps

J) 6/16 Amp

Supplying 4r with necessa switches reg on existing w using N.F.Sc

Supply patty t light fitting of flourescent tu M.S sheet and low loss open wound ferroma strter,locking t holders mount type sheet bas on 230 volts A 1NO 4-36/40 w tube.) (2/16) G

Fixing all types fluorescent/fals light/CFL fitting celing/rafters/gr 23/0.0076" twin insulated wires, blocks and clam On wall/ ceiling/ (7/29)

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. (6/3) b) 12"x9"x3" (300x228x76mm) | Each | 1 | | | | 1 | 80.00 | 80.00 |
| 7 | Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. II using group B" Meterial (8/18) e) 600 watts dimmer | Each | 1 | | | | 1 | 390.00 | 390.00 |
| | g) 16 Amps one way switch | Each | 1 | | | | 1 | 115.00 | 115.00 |
| | J) 6/16 Amps Universal Socket | Each | 1 | | | | 1 | 170.00 | 170.00 |
| | Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws. (22/10) | sq.cm | 20 | | | | 20 | 0.22 | 4.40 |
| | Supply patty type fluorescent tube light fitting of 4-36/40 watts flourescent tube fitting,made out of M.S sheet and stove eanmeled with low loss open construction copper wound ferromagnetic ballast, strter,locking type prass contact holders mounted on double fold type sheet base fully wired for use on 230 volts A C supply including 1NO 4-36/40 watts fluorescent tube.) (2/16) Group A | Each | 1 | | | | 1 | 360.00 | 360.00 |
| 0 | Fixing all types and all capacities fluorescent/false celing/spot light/CFL fitting indoor on the wall/ celing/rafters/griders using 23/0.0076" twin twisted PVC insulated wires,required nos of blocks and clamps(if required) a) On wall/ ceiling/ Rafter/Griders (7/29) | Each | 2 | | | | 2 | 105.00 | 210.00 |

| Sl No | Description of Item | Unit | No | L | B | D | Qty | Rate | Amt |
|---|---|---|---|---|---|---|---|---|---|
| 11 | Fixing one ceiling/wall mounting fan of all capacities and all types to the exiting S hook with fan regular to the exiting board together with supplying and fixing a 5 ampers ceiling rose,necessary langth of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring completely. (8/29) | Each | 1 | | | | 1 | 105.00 | 105 |
| 12 | Fixing one exhaust fan in the nitch already left in the wall with bolts and nuts 5 amps ceiling rose with sufficient length of 23/0.0076 inch PVC insulated twin core wire of apporoved Make (12/29) | Each | 1 | | | | 1 | 310.00 | 310 |
| 13 | Supplying,fixing wiring earth electrode for grouding conduits. I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick GI2.5 mtrlong buried in a pit should be filled with equal proporation of salt and charcoal 150mm alround the pipe to complete depth. The conection from the pipe to the conduit etc is to be established throughGI wire of size as oer ISI specifications 7.33 of IS 732 using 12mm dia bolts,nuts,washers and checknuts etc,the pipe shall have 16 through holes 12mm dia (68/01) | Each | 2 | | | | 2 | 1950.00 | 3900 |
| 14 | suplying and mixing miniature circuit breakers on exiting MCB distribution boards using necessary fixing materials and C type curve,indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required. a) 32 Amps SP 1)Group A (12/36) | Each | 2 | | | | 2 | 195.00 | 390 |

| Descript |
|---|
| Energy meter bo instalation/fixing/ outdoor type ther panel enclousers polycarbonate lid proof,coreosion p internally embed both lid and flap s Single phase/thre meter in suitable having a provision cutout with suitabl hinged flap openin MCB along with co proof SEALING fac 300 x 214 mm (40/ |
| Supplying of LT UG aluminium conducto insulated,sheathed, wire/steel tap armou PVC outer sheathin PVC Cabled)4 core (68/04) |
| Labour charges for Class UG cable in e GI pipe stoneware p pole as required a) sqmm (5/69) |
| Digging of trench of 0.50 mtr wide refilli the required ground consolidating etc. c Civil SR KSRB 1-2 Ordinary soil (6/70 |
| Supplying and fixin (medium duty) GI ness not lessthan pole/wall/drain cro necessary clampi for UG cable of 1. mm (9/70) |
| Suplying and fixin Pot Heads suitab UG cable filled w bitumen/insulatin complete with erminals,clamps washers etc,. b |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 6 | Energy meter box. Supply and instalation/fixing/ provision of outdoor type thermoplastic modular panel enclousers with transperent polycarbonate lid shock proof,coreosion proof having internally embedded gasket on both lid and flap suitable to fix. Single phase/three phase energy meter in suitable base plate and having a provision fo fuse/ MCB cutout with suitable transperent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. a) 300 x 300 x 214 mm (40/42) | Each | 2 | | | | 2 | 3055.00 | 6110.00 |
| 6 | Supplying of LT UG cable having aluminium conductor PVC insulated,sheathed,galvanized,steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV class A PVC Cabled)4 core 16 sqmm (68/04) | Per Mtr | 2 | | | | 2 | 150.00 | 300.00 |
| 7 | Labour charges for laying of 1.1KV Class UG cable in existing trench GI pipe stoneware pipe/on wall/on pole as required a) 6sqmm to 16 10 sqmm (5/69) | R.Mtr | 2 | | | | 2 | 8.00 | 16.00 |
| 8 | Digging of trench of 0.6mm deep * 0.50 mtr wide refilling the trench to the required ground level and consolidating etc. complete.(As per Civil SR KSRB 1-2p-7)a. in Ordinary soil (6/70) | R.Mtr | 2 | | | | 2 | 40.00 | 80.00 |
| 9 | Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not lessthan 3.25mm on pole/wall/drain crossing eith necessary clamping arrangements for UG cable of 1.1 KV class B.50 mm (9/70) | Mtr | 2 | | | | 2 | 260.00 | 520.00 |
| 10 | Suplying and fixing L.T cast Iron Pot Heads suitable for 1.1KV class UG cable filled with Necessary bitumen/insulating compound complete with erminals,clamps,bolts,nuts and washers etc,. b. 16 Sqmm (10/70) | Each | 2 | | | | 2 | 260.00 | 520.00 |
| | | | | | | | Total B ) | | 14537.40 |

WATER SUPPLY AND SANITARY WORKS

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amt |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 13-8.11 Providing and fixing to wall, ceiling and floor, low-density polyethylene pipes 10.00KGf/sq.cm. working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.9,, Page No. 103/ Item No. 13.76 / PWD SR 2016-17 | Mtrs | | | | | | | |
| | | | 1 | 20.00 | | | 20.00 | | |
| | | | | | | | **20.00** | **142.44** | **2849.** |
| | Basic Rate | 109.00 | | | | | | | |
| | Ad-HOC 21% | 22.89 | | | | | | | |
| | **Sub Total** | 131.89 | | | | | | | |
| | Area Weightage 8% | 10.55 | | | | | | | |
| | **Grand Total** | 142.44 | | | | | | | |
| 2 | KSRB 13.11.1: Providing and placing on terrace. Polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification NO. KBS 13.22 Page No. 94 Item no 13.78 SR 2016-17 | Each | | | | | | | |
| | | | | 1.00 | | | 1.00 | | |
| | | | | | | | **1.00** | **11064.68** | **11065** |
| | Basic Rate | 8467.00 | | | | | | | |
| | Ad-HOC 21% | 1778.07 | | | | | | | |
| | **Sub Total** | 10245.07 | | | | | | | |
| | Area Weightage 8% | 819.61 | | | | | | | |
| | **Grand Total** | 11064.68 | | | | | | | |
| 3 | KSRB 13-6 5.1: Providing and fixing in position 15mm nominal bore brass ferrule with C.I. mouth cover including boring and tapping the main, cost of all materials, labour and HOM of equipments with all leads complete as per specifications Specifications NO KBS 13.3.3 / 13.14 Page No. 89// Item No. 13.43 / PWD SR 2016-17 | Each | | | | | | | |
| | | | 1 | 4 | | | 4 | | |

| | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 4 | 237.84 | 951.00 |
| | Basic Rate | 182.00 | | | | | | | |
| | Ad-HOC 21% | 38.22 | | | | | | | |
| | **Sub Total** | 220.22 | | | | | | | |
| | Area Weightage 8% | 17.62 | | | | | | | |
| | **Grand Total** | 237.84 | | | | | | | |
| | | | | | | | | | |
| | KSRB 11-3: Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580m with footrests, 100 mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No. 77/ Item No. 12.3 PWD SR 2016-17 | **Each** | | | | | | | |
| | | | 2 | | | | 2 | | |
| | | | | | | | 2 | 1671.40 | 3343.00 |
| | Basic Rate | 1279.00 | | | | | | | |
| | Ad-HOC 21% | 268.59 | | | | | | | |
| | **Sub Total** | 1547.59 | | | | | | | |
| | Area Weightage 8% | 123.81 | | | | | | | |
| | **Grand Total** | 1671.40 | | | | | | | |
| 5 | Bescom Deposite | | | | | | | | |
| | | | | | | | 1 | 5000.00 | 5000.00 |
| | | | | | | **Total (C )** | | | **23208.00** |
| | | | | | | **Total A+B+c** | | | **498572** |
| 6 | Miscellaneous charges | | | | | | | | 1427.60 |
| | | | | | | | | **Total** | **500000.00** |

**(Rupees Five Lakhs Only)**

**CERTIFICATE**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

**Assistant Engineer**

**Assistant Executive Engineer**
**Yelahanka satellitetown Sub Division**
**Bangalore-64**

**Executive Engineer**
**Yelahanka Division**
**Bangalore-64**

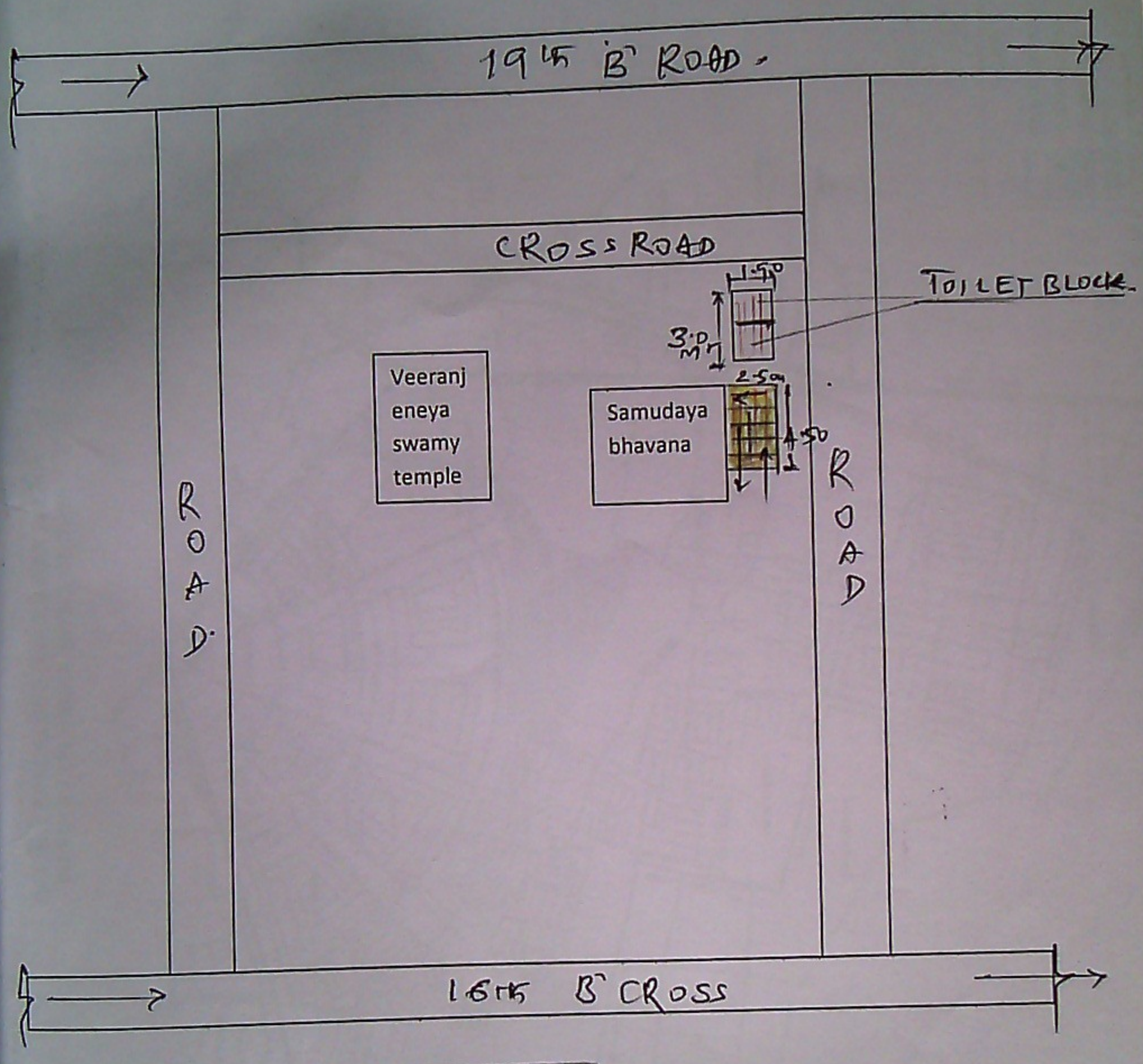
Administrative Sanction for Rs. 5.00 Lakhs
Five Lakhs only
is accorded under head P.1771-2017-18.
Registered as CE ( ) No. ..... Subject to conditions contained in enclosed memo
No. EE/DD/66/17-18 Dt. 8-2-18

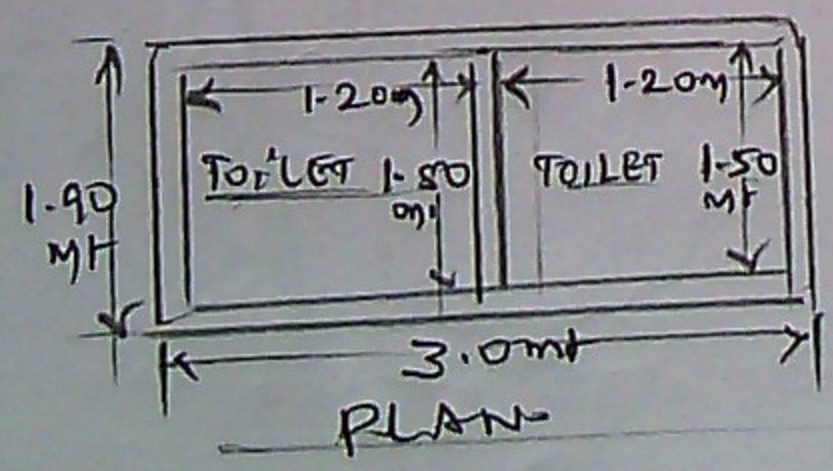
Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 5.00 Lakhs
Rupees Five Lakhs only
Under P.1771-2017-18
Registered as CE ( ) No. ..... Subject to conditions contained in enclosed memo EE ( ) No. ..... Estimate Sanctioned
Dt. EE/TS/98/17-18
Dated 16.02.2018 Rs. 5.00 Lakhs

Executive Engineer

NAME OF WORK: Providing balance works to Existing Samudaya Bhavana at veeranjeneya temple in ward no -04.




INDEX:

PROPOSED TOILET BLOCK

A.E.E.

FIRST FLOOR

STAIR CASE

A.E. Ramanjeeruch

150 - YELAHANKA AC

N

# BRUHAT BANGALORE MAHANAGAR PALIKE
## WARD: 4 - YELHANKA SATELLITE TOWN

Ramanjeersh

*NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.09*

**INDEX**

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD